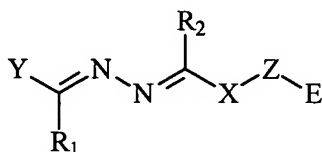


## ORGANOPHOTORECEPTOR WITH AN EPOXY-MODIFIED CHARGE TRANSPORT COMPOUND HAVING AN AZINE GROUP

### ABSTRACT OF THE DISCLOSURE

5 Organophotoreceptors comprise an electrically conductive substrate and a photoconductive element on the electrically conductive substrate, the photoconductive element comprising:

a) a charge transport compound having the formula



where  $R_1$  and  $R_2$  are, independently, hydrogen, an alkyl group, a heterocyclic group, an alkaryl group or an aryl group; X is an aromatic group; Y is an (N,N-disubstituted) arylamine group, such as a (N,N-disubstituted) arylamine group, a carbazole group or a julolidine group; Z is  $(\text{CH}_2)_m$  group where m is an integer between 1 and 30 where one or more of the methylene groups is optionally replaced by O, S, C=O, O=C-O, O=C-NR<sub>3</sub>, sulfoxide, sulfate, phosphate, an aryl group, urethane, urea, a NR<sub>4</sub> group, a CHR<sub>5</sub> group, or a CR<sub>6</sub>R<sub>7</sub> group where R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, and R<sub>7</sub> are, independently, H, hydroxyl, thiol, an amine group, an alkyl group, a heterocyclic group, an alkaryl group, or an aryl group; and  
20 E is an epoxy group; and

(b) a charge generating compound.